

# Comparisons of Job Characteristics

**Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)**

**Associated Occupation: Etchers and Engravers (51-9194)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)**

**Associated Occupation: Etchers and Engravers (51-9194)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	15.0	11.4	<< Extensive education and/or training may be required
Computers and Electronics	8.4	13.4	4.6	<< Extensive education and/or training may be required
Clerical	7.3	11.9	5.2	<< Extensive education and/or training may be required
Design	5.2	10.0	8.4	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 76

**Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)**

**Associated Occupation: Etchers and Engravers (51-9194)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	8.5	6.8	< A higher skill level may be required
Quality Control Analysis	5.9	8.0	9.0	> Skill level is likely sufficient
Operation and Control	5.4	7.6	5.8	< A higher skill level may be required
Troubleshooting	4.5	6.6	4.4	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	5.3	3.1	<< Extensive development of skills in this area may be required
Operations Analysis	5.0	5.1	6.8	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 89			
Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071) Associated Occupation: Etchers and Engravers (51-9194)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	12.1	15.0	>	Current ability level is likely sufficient
Control Precision	6.6	11.2	11.3	0	Current ability level may be sufficient
Finger Dexterity	7.6	10.7	14.5	>>	Current ability level is likely more than sufficient
Manual Dexterity	6.5	10.2	10.4	0	Current ability level may be sufficient
Depth Perception	5.3	7.0	5.6	<	Some improvement in abilities may be required
Rate Control	3.8	6.4	4.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 90
Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071) Associated Occupation: Etchers and Engravers (51-9194)		
Work Activities	Exclusivity of Activity	
Cast metal objects	89	
Compute production, construction, or installation specifications	58	
Engrave variety of materials and products	95	
Examine products or work to verify conformance to specifications	15	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Hand carve objects from stone or other materials	87	
Make independent judgment in assembly procedures	64	
Measure, weigh, or count products or materials	17	
Operate metal or plastic fabricating equipment/machinery	54	
Precision cast patterns, molds, or dies	92	
Read technical drawings	7	
Use engraving techniques	89	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)**  
**Associated Occupation: Etchers and Engravers (51-9194)**

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.